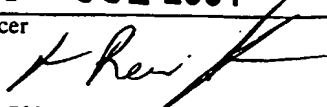


INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/26464

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H04Q 7/24 US CL : 370/ 310, 328, 331, 338; 455/422.1, 456.1, 456.2 According to International Patent Classification (IPC) or to both national classification and IPC																	
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 370/ 310, 328, 331, 338; 455/422.1, 456.1, 456.2 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST																	
C. DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>Y</td> <td>US 6,580,704 A (WELLIG et al) 17 June 2003 (17.06.2003), see the entire document</td> <td>1-20</td> </tr> <tr> <td>Y</td> <td>US 6,529,728 A (PFEFFER et al) 04 March 2003 (04.03.2003), see the entire document</td> <td>1-20</td> </tr> <tr> <td>Y,E</td> <td>US 6,711,148 A (HILLS) 23 March 2004 (23.03.2004)</td> <td>1-20</td> </tr> <tr> <td>Y,E</td> <td>WO 03/088547 (KUAN et al) 23 October 2003 (23.10.2003), see the entire document</td> <td>1-20</td> </tr> </tbody> </table>			Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	Y	US 6,580,704 A (WELLIG et al) 17 June 2003 (17.06.2003), see the entire document	1-20	Y	US 6,529,728 A (PFEFFER et al) 04 March 2003 (04.03.2003), see the entire document	1-20	Y,E	US 6,711,148 A (HILLS) 23 March 2004 (23.03.2004)	1-20	Y,E	WO 03/088547 (KUAN et al) 23 October 2003 (23.10.2003), see the entire document	1-20
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<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.																	
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Date of the actual completion of the international search 24 June 2004 (24.06.2004)		Date of mailing of the international search report 21 JUL 2004															
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230		Authorized officer Toan Nguyen  Telephone No. 703-305-9600															